

June 2004





- Introduction
- Summary of Western Wind Energy Corporation
- Resource Locations
- Wind Profile
- Generator and Turbine Characteristics
- Transmission Issues
- Interconnection Issues
- Economic Issues
- Closing Remarks



- Western Wind Energy Corporation
 - Mike Patterson, Chairman
 - Mike Boyd, Director
 - Cash Long, Director
 - Steve Mendoza, Chief Engineer
- Vesta Americas
 - Robert Zdebski
 - Ken Polnicky



Western Wind Energy Corporation Summary





Combine our technical expertise and engineering experience with our extensive financial and business knowledge to develop efficient, reliable and environmentally friendly wind energy projects.





Grow Western Wind Energy from a present portfolio of 135 megawatts in project developments into a major wind energy developer.





COMPANY STRATEGY

The Dakotas, Saskatchewan, the Aleutian Islands and Hudson's Bay host wind resources capable of generating all the power needs of North America, however, the restrictive nature of these locations make these resources unviable.

Our Company strategy is to find and develop viable lower wind energy resources capable of being delivered to nearby high population density areas with high per capita loads.





Our public company status allows us to employ the right combination of utility experts, wind energy pioneers, executive leadership, debt free project development and resource ownership.





ADVANTAGES OF WIND ENERGY

- Clean, pollution free, renewable
- No fuel costs
- Price stability
- Low operating costs
- Local job creation
- Energy independence from foreign fuel sources



WIND ENERGY STATUS BY COUNTRY

As of January 21, 2004:

Total Installed Wind Power Capacity: 39,294MW

Germany: 14,609MW

USA: 6,374MW

Spain: 6,202MW

Denmark: 3,110MW

India: 1,815MW

Italy: 904MW

Canada: 312MW

Source: World Wind Energy Association





WORLD WIND GENERATION

Percentage Wind Generated vs.

Total Energy Production

Denmark 19%

Germany 4%

USA 0.3%





WIND MARKET BY STATE

California 2,043 MW

Texas 1,293 MW

Minnesota 563 MW

Iowa 471 MW

Wyoming 285 MW

Oregon 259 MW

Washington 244 MW

Colorado 223 MW

New Mexico 207 MW





RESOURCE SELECTION

- Available transmission
- Access to transmission
- Commercially viable wind resource
- Favorable zoning policy
- No cultural or environmental impediments
- Regulatory support
- Political support
- Adequate incentives





Resource Locations

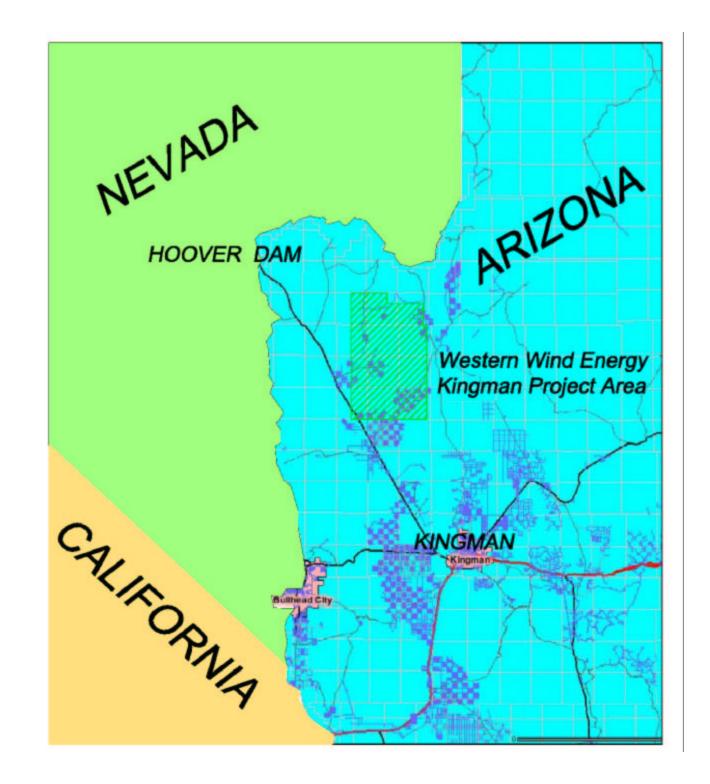


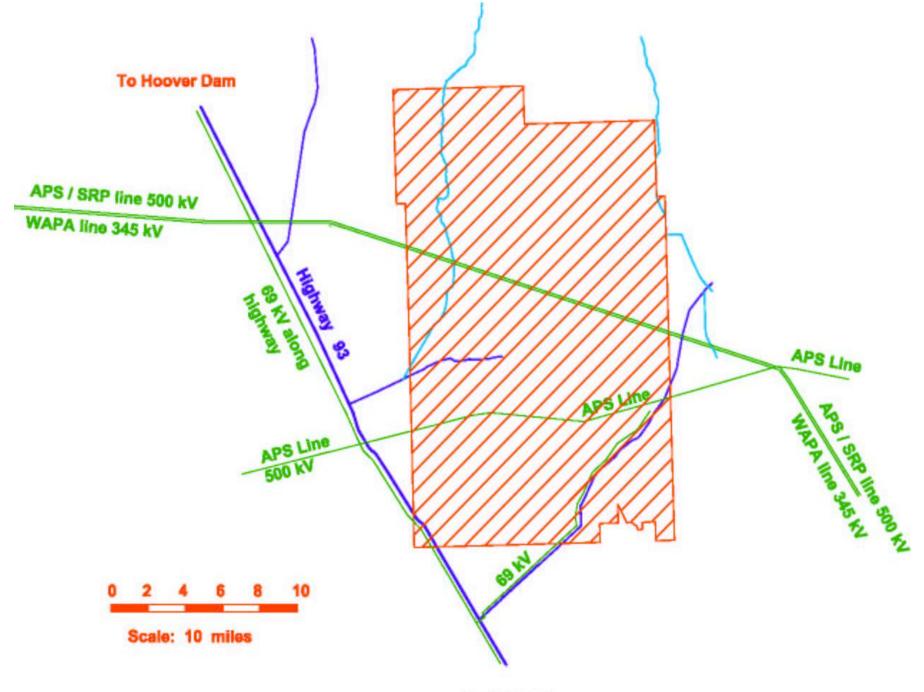
Western Wind Energy Corp. (WND) Active Projects BRITISH **ALBERTA Grand Manan** COLUMBIA SASK. MANITOBA . Edmonton QUÉBEC Vancouver Tehachapi Pass Seattle Charlottetown_ ONTARIO ONTARIO (uébec MONTANA Monti éal Salem MINN. OREGON' MICHIGAN Boise Senator Mountain Detroit WYOMING NE BRASKA PENN: New York Lincoln Chicago Denver Washington, COLORAD $\mathbf{D}_{\mathbf{c}}\mathbf{C}_{\mathbf{c}}$ Raleigh Atlantic ,\$abta Tjuana _Memphis MMEXIC (OKLAHOMA Ocean Montgomery El Pa so Pecific Dallas, GEORGIA TEXAS SONORA Ocean **FLORIDA** LOUISIANA CHIHUAHUA San Antonio MEXICO , Miami Gulf of Mexico.

Western Wind Energy Corp. (WND) Western US Wind Projects

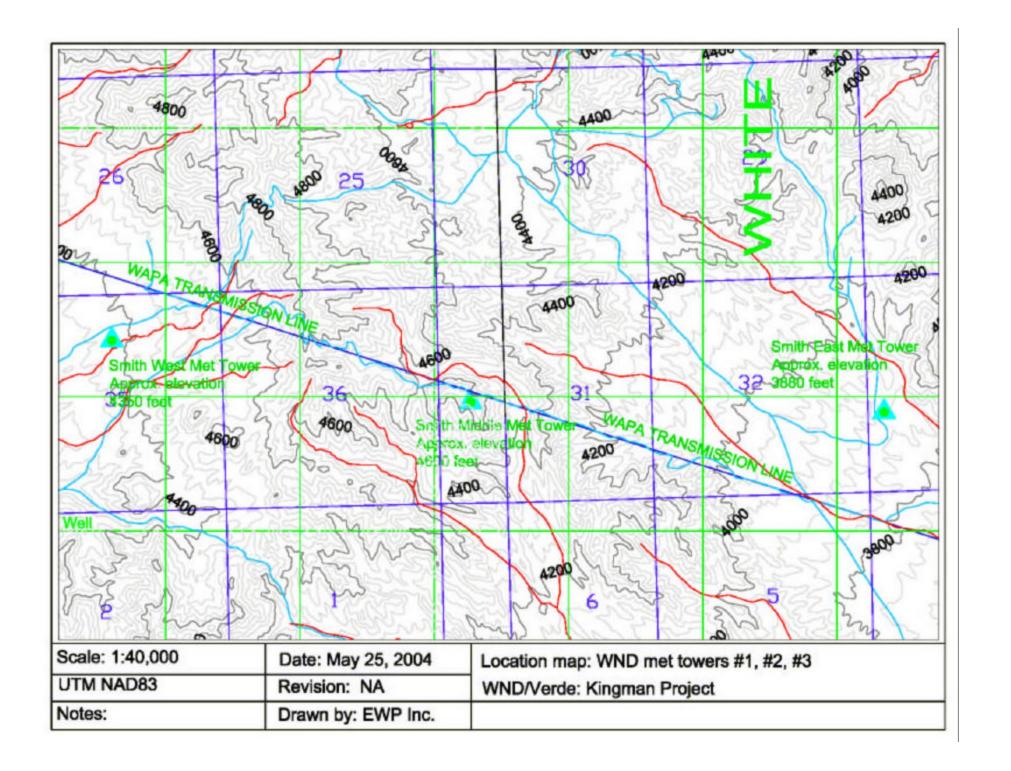








To Kingman









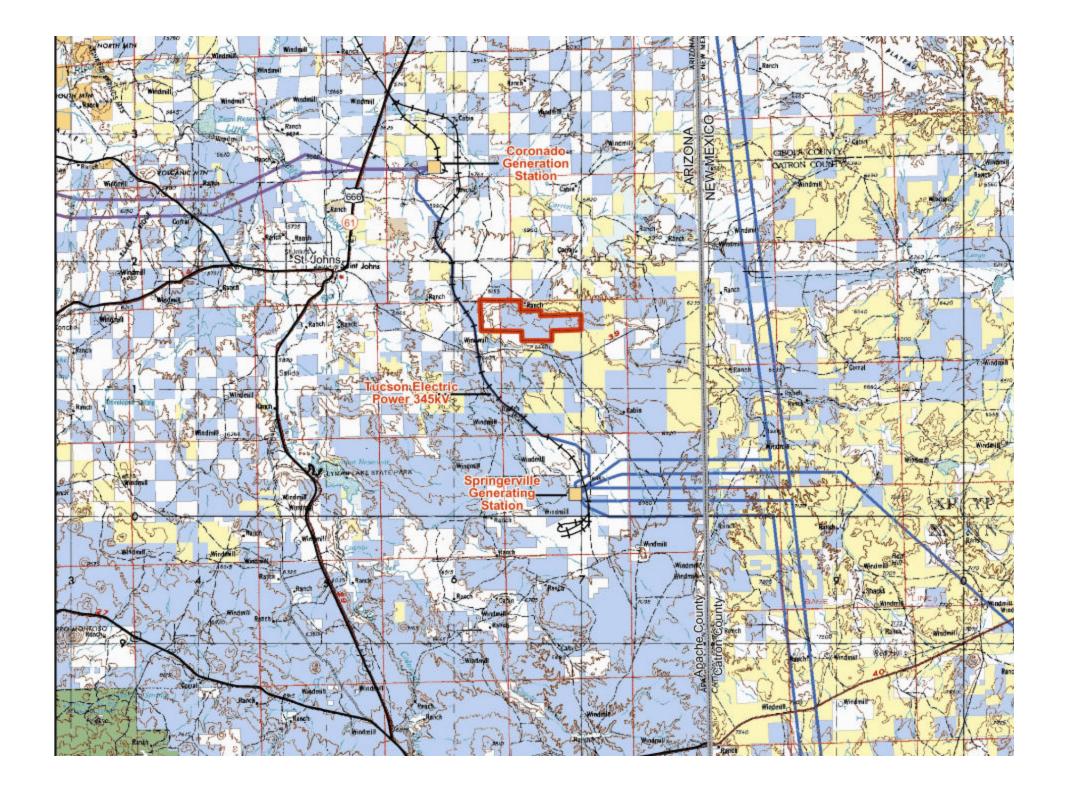
SENATOR MOUNTAIN





PROPOSED WIND GENERATORS





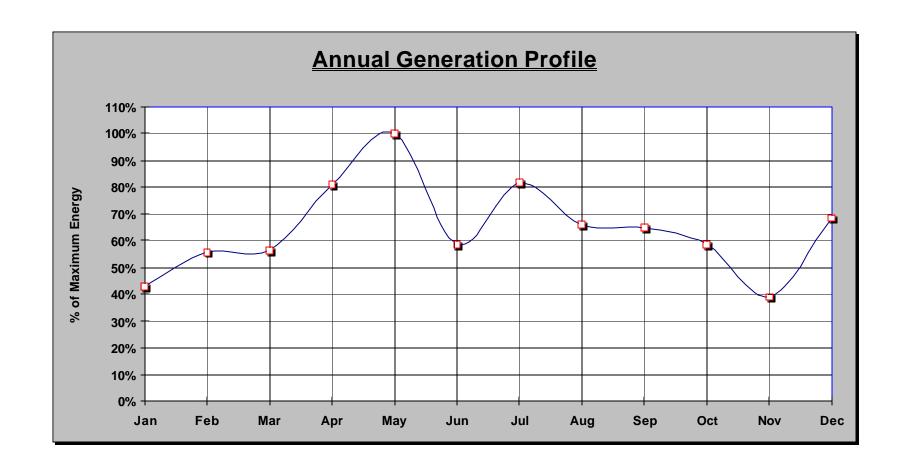




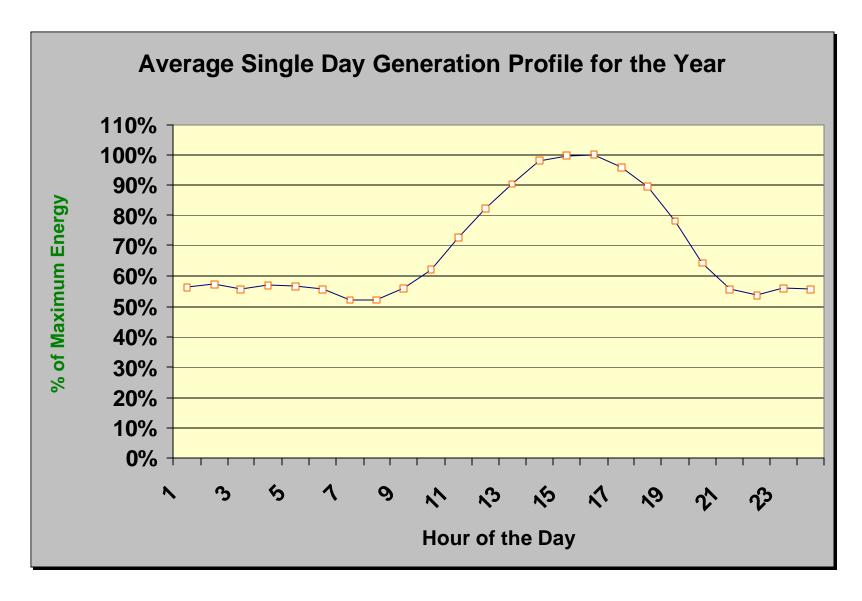


Wind Profiles

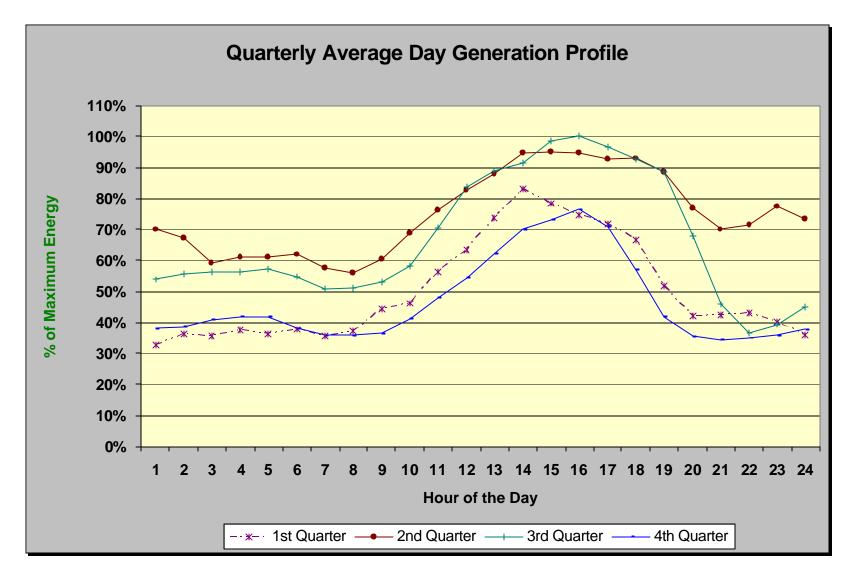




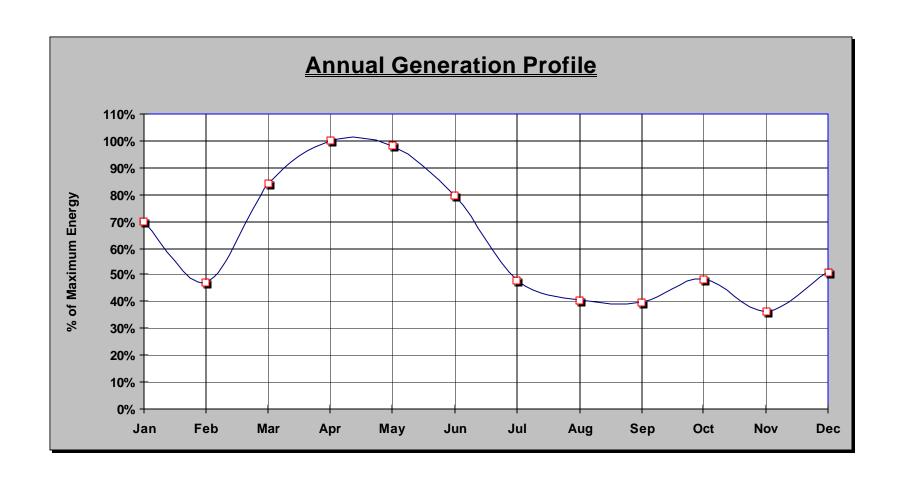




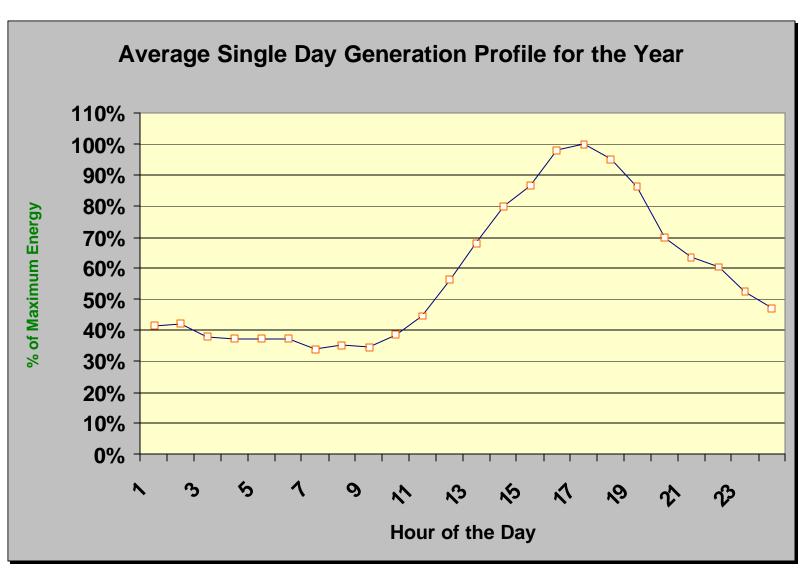






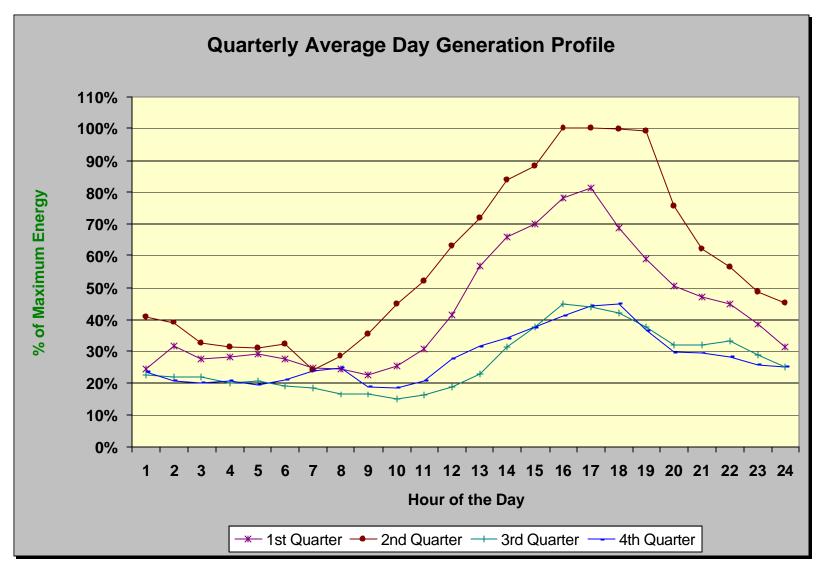






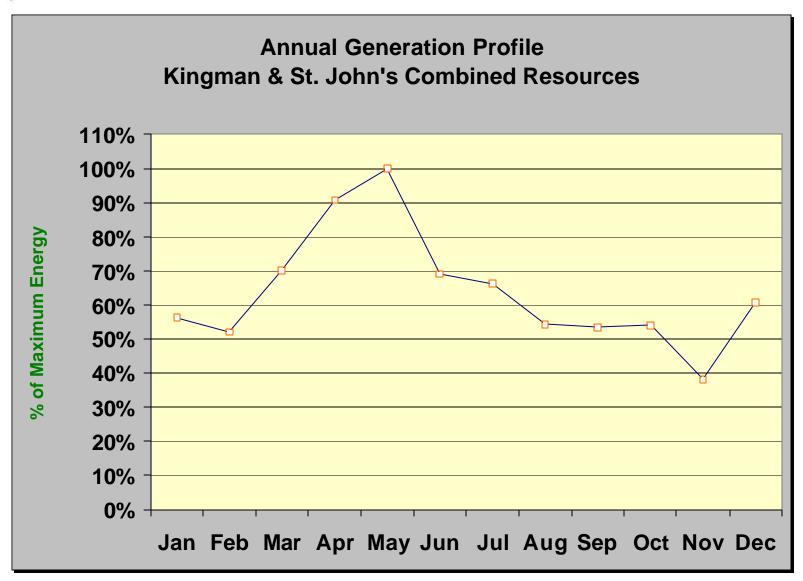


ST. JOHN'S



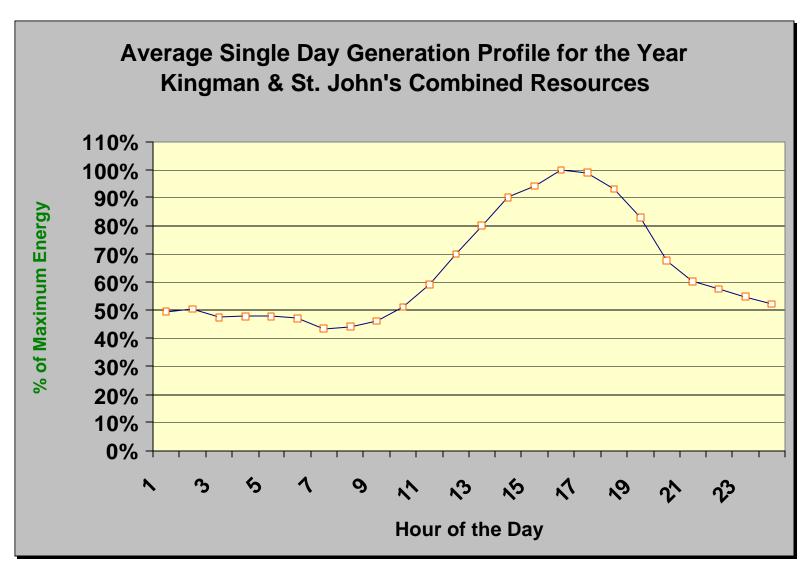


COMBINED RESOURCES





COMBINED RESOURCES





WIND CHARACTERISTICS

- A wind resource on average will vary from year to year approximately 2%
- Same month different year can vary up to 40%+
- Altitude has minimal effect on air density as it relates to the rotor; where as temperature has major effects





Generator and Turbine Characteristics

Vestas.ppt



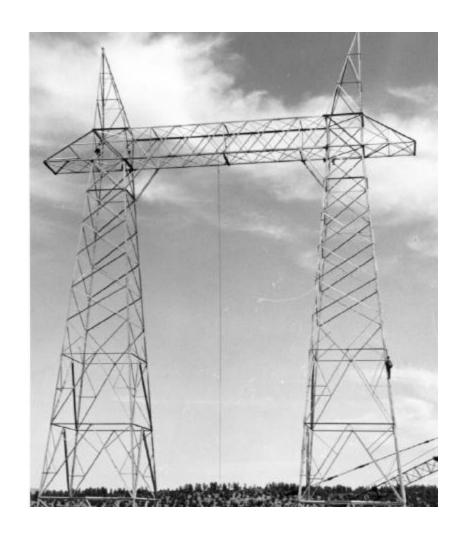


Transmission Issues



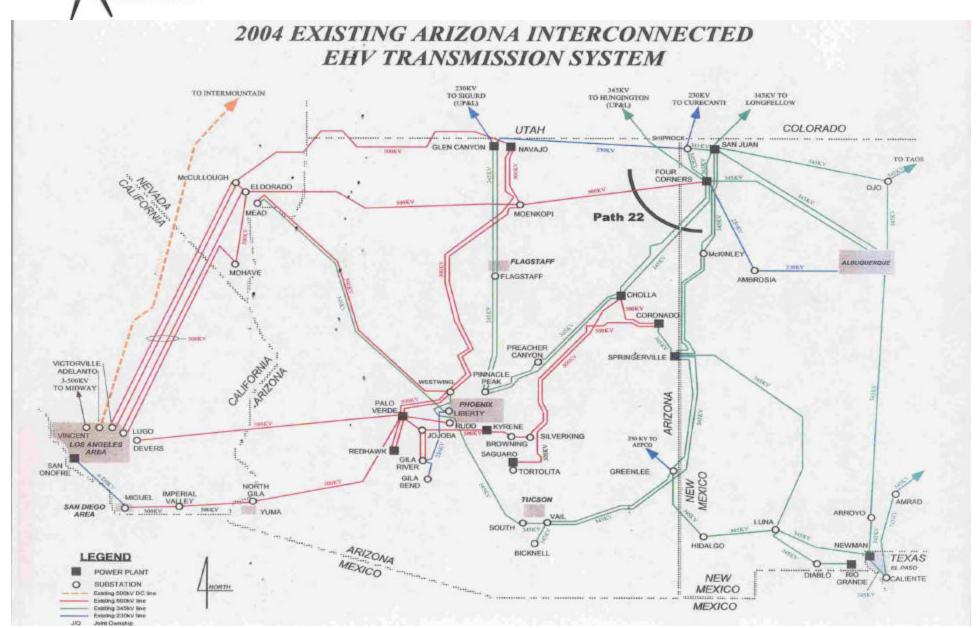


- Location
- Voltage levels
- Capacity availability
- System upgrades





LOCATION





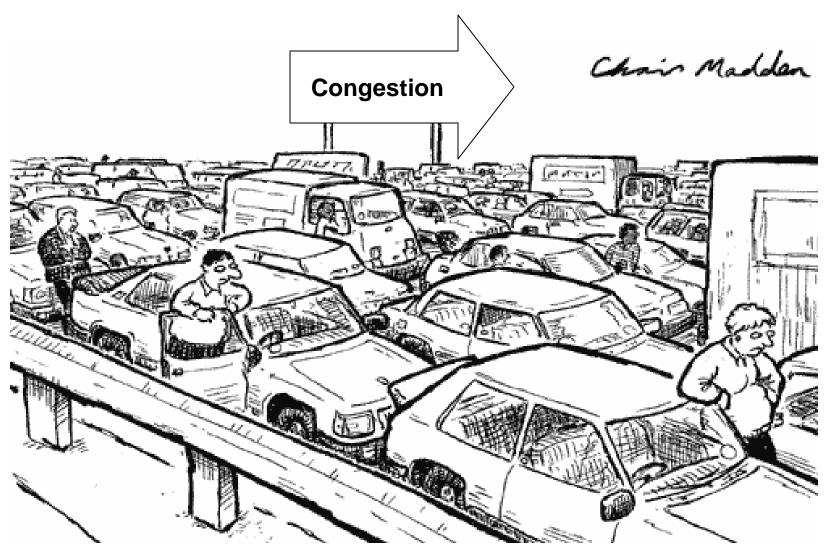
VOLTAGE LEVELS

- 500 kV
- 345 kV
- 230 kV
- 138 kV
- 115 kV
- 69 kV





CAPACITY AVAILABILITY





Modernize!



- Series capacitors
- Phase shifters
- Transformers
- Conductors

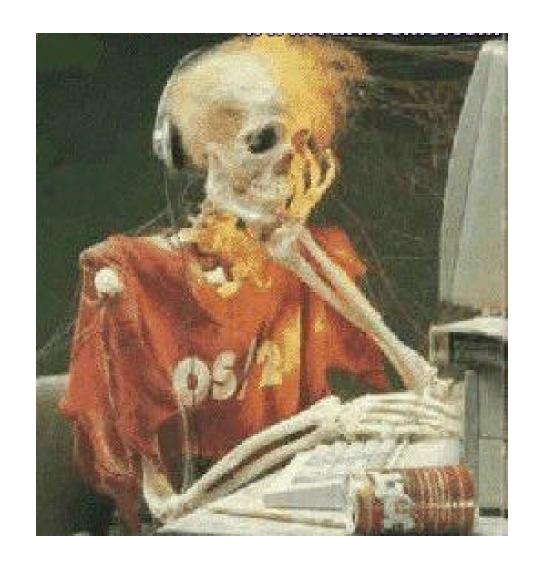


- Lead time
- Cost
- Environmental concerns





Project manager waiting for final siting approval





- System studies
- Right-of-way
- Design
- Material
- Construction

- Environmental assessment
- Regulatory process
- Legal fees
- Excedrin





ENVIRONMENTAL CONCERNS



Protecting endangered species and their habitat







INTERCONNECTION ISSUES

- Voltage Flicker
- Power Factor
- Harmonics
- Non-firm

- Redundancy
- Betherctoan of tage
- Impact studies
- Maintenance















Economic Issues





Cost of Power:

3 cents/kwh to 7.5 cents/kwh





Green Tags:

1 cent/kwh to 3 cents/kwh





Federal Production Tax Credit ("PTC"):

1.1 cents/kwh to 1.8 cents/kwh





